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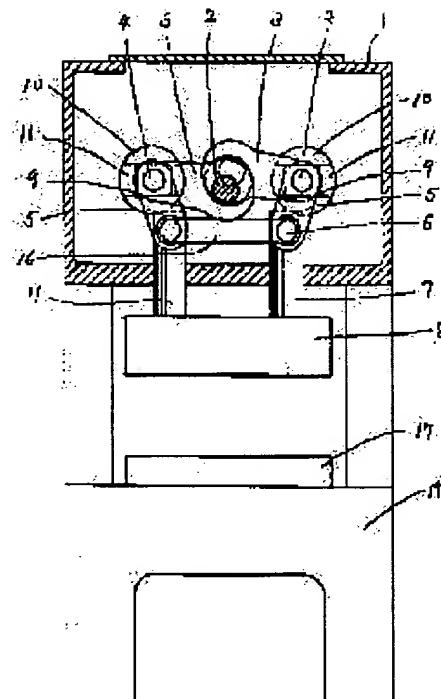
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(54) PRESS MACHINE

(57) Abstract:

PURPOSE: To provide a reliable high speed press machine by making the structure simple eliminating the variation of the bottom dead center caused by the inertia force of the slide and easily executing the change of velocity.

CONSTITUTION: This machine has a frame 1, a crank shaft 2 supported axially with the frame 1, a straight line like guide groove 11 being horizontal to the crank shaft 2 formed on the frame 1, a connecting rod 3 connected to the crank shaft 2, a link 5 connected to a plunger 7 of a slide 8, and a link-pin 4 to connect the connecting rod 3 and the link 5. Sliders 9 are provided on both ends of the link-pin 4, the slider 9 is fit in the straight line like guide groove 11 freely sliding, and a link-pin of balancer arranged mutually oppositely interposing the slide 8 and the crank shaft 2 is made able to be connected to the link-pin 4.



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